

May 1964

PHOTOGRAPHIC INTERPRETATION REPORT

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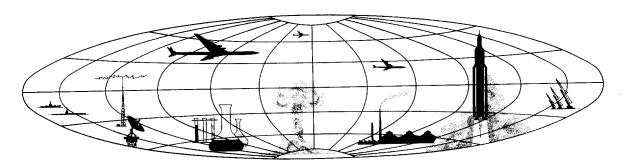
MISSION 3891 30 APRIL 1964



DIA

25X1A

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



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GROUP 1
Excluded from automatic dawngrading and declassification

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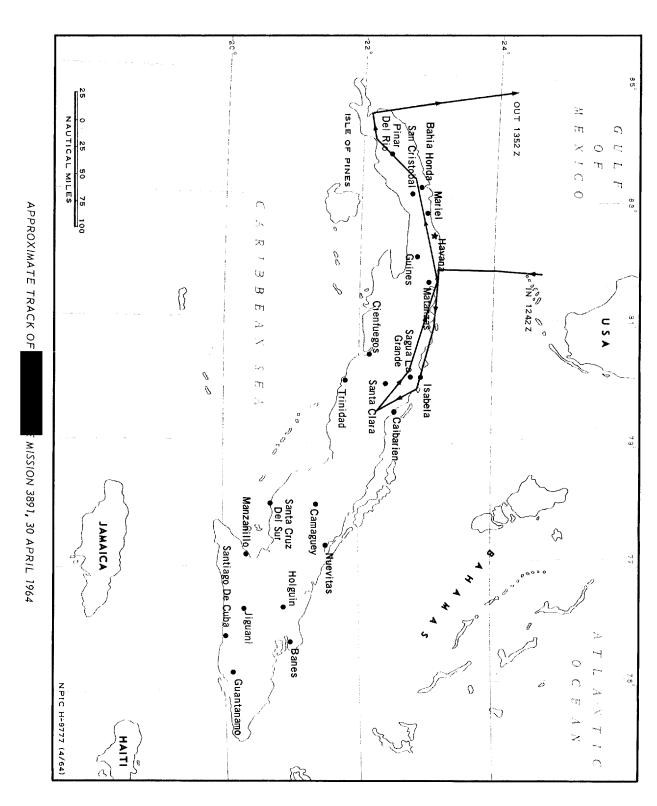
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25X1A PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM MISSION 3891, DATED 30 APR 1964. THE NUMBER APPEARING AT THE BEGINNING OF THE HEADER LINE IS THE COMOR TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), O (OBLIQUITY), PQ (POOR IMAGE QUALITY).

7



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25X1A

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ITEMS OF SPECIAL INTEREST

ATTACHMENT 1 -- MATANZAS SAM SITE ATTACHMENT 2 -- SANTA CLARA SAM SITE 25X1A 25X1A

25X1A

MISSILES

MARIEL SAM SITE 2300N 08249W

25X1D

SIX REVETTED CANVAS- OR NET-COVERED LAUNCHERS, 7 MISSILE TRANSPORTERS (5 CANVAS-COVERED), AND A GUIDANCE REVETMENT CONTAINING RADAR, 4 VAN TRAILERS, AND CANVAS-COVERED EQUIPMENT OBSERVED. NO APPARENT CHANGE IN FACILITIES.

25X1A

MATANZAS SAM SITE 2301N 08129W

SIX UNREVETTED LAUNCHERS (2 WITH MISSILES), 8 MISSILE TRANSPORTERS (4 CANVAS-COVERED), ONE PROBABLE TRACKED PRIME MOVER, 3 CARGO TRUCKS, 4 VAN TRUCKS, 5 OTHER VEHICLES OR PIECES OF EQUIPMENT (2 CANVAS-COVERED), 3 VAN TRAILERS, 18 MISSILE CANISTERS (PREVIOUSLY REPORTED AS UNIDENTIFIED PIECES OF EQUIPMENT), 18 UNIDENTIFIED PIECES OF EQUIPMENT, AND A GUIDANCE AREA CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED.

NO APPARENT CHANGE IN PERMANENT FACILITIES. LARGE TENTS (7 NON-SOVIET), 4 MEDIUM TENTS, AND

2 SMALL TENTS OBSERVED. 25X1D

AAA SITES WITHIN 10 KM -- 2 OCCUPIED 5-GUN SITES

AT UTM :

(AMS SERIES E723, SHEET 3885-II, 3RD ED.)

(SEE ATTACHMENT 1). 25X1D

25X1A

HAVANA SAM SITE 2309N 08213W

SIX UNREVETTED LAUNCHERS, ONE MISSILE TRANSPORTER, ONE CANVAS-COVERED HOLD AREA, AND AN OCCUPIED GUIDANCE AREA OBSERVED. NO APPARENT CHANGE IN FACILITIES.

25X1D

25X1A

SAGUA LA GRANDE SAM SITE 2251N Ø8ØØ5W

SIX REVETTED LAUNCHERS (2 WITH MISSILES), ONE CANVAS-COVERED HOLD AREA, 3 VAN TRAILERS, AND A GUIDANCE REVETMENT WITH RADAR AND NET- AND CANVAS-COVERED EQUIPMENT OBSERVED.
TWO ADDITIONAL LAUNCHERS, A FAN SONG RADAR, 6 VAN TRUCKS, AND 5 VAN TRAILERS REMAIN ADJACENT TO HOLD AREA.

25X1D

25X1A

CAIBARIEN SAM SITE 2228N Ø7929W

SIX UNREVETTED CANVAS-COVERED LAUNCHERS (3 WITH MISSILES), ONE CANVAS-COVERED HOLD AREA, ONE PROBABLE CARGO TRUCK, 3 VAN TRAILERS, AND A GUIDANCE AREA CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED.

NO APPARENT CHANGE IN FACILITIES.

25X1D

25X1A

DELEITE SAM SITE 2259N Ø8Ø45W

SIX REVETTED LAUNCHERS (2 CANVAS-COVERED), ONE CANVAS-COVERED MISSILE TRANSPORTER, 2 CANVAS-COVERED PROBABLE MISSILE TRANSPORTERS, ONE CANVAS-COVERED HOLD AREA, 11 TRACKED PRIME MOVERS, 14 OTHER VEHICLES OR PIECES OF EQUIPMENT, 3 VAN TRAILERS, AND A GUIDANCE REVETMENT CONTAINING RADAR, 4 NET-COVERED VAN TRAILERS, AND CANVAS-COVERED EQUIPMENT OBSERVED. NO APPARENT CHANGE IN FACILITIES.

25X1D

25X1A

CIFUENTES SAM ASSEMBLY AREA 2236N 08005W

AT LEAST 9 PROBABLE MISSILE TRANSPORTERS, 4 CARGO TRUCKS, ONE TRUCK-MOUNTED CRANE, 4 OTHER VEHICLES AND NUMEROUS MISSILE CANISTERS OBSERVED.

25X1D NO APPARENT CHANGE IN FACILITIES.

25X1A

MANAGUA SAM SITE 2259N Ø8215W

SIX REVETTED LAUNCHERS (4 CANVAS-COVERED AND AT LEAST ONE WITH MISSILE), 5 MISSILE TRANSPORTERS (4 CANVAS-COVERED AND ONE IN LAUNCH REVETMENT), 4 CARGO TRUCKS, ONE UTILITY TRUCK, ONE OTHER VEHICLE, 3 VAN TRAILERS, AND A GUIDANCE REVETMENT CONTAINING RADAR, 4 NET-COVERED VAN TRAILERS, AND CANVAS-COVERED EQUIPMENT OBSERVED.

TWO ADDITIONAL LAUNCHERS, A FAN SONG RADAR, 6 VAN TRUCKS, AND 2 VAN TRAILERS REMAIN IN THE SUPPORT AREA. NO APPARENT CHANGE IN FACILITIES.

25X1A

25X1D

MAJANA SAM SITE 2241N Ø8249W

SIX UNREVETTED CANVAS-COVERED LAUNCHERS, AT LEAST 2 MISSILE TRANSPORTERS, 11 OTHER VEHICLES, 3 VAN TRAILERS, AND AN OCCUPIED GUIDANCE AREA OBSERVED.

25X1A

25X1D

LA COLOMA SAM SITE 2 2219N Ø8334W

SIX UNREVETTED LAUNCHERS (3 CANVAS-COVERED), 14 TRACKED PRIME MOVERS, 3 OTHER VEHICLES, 3 VAN TRAILERS, AND AN OCCUPIED GUIDANCE AREA OBSERVED.

25X1D POOR IMAGE QUALITY LIMITS INTERPRETATION.

25X1A

LA SALUD SAM SITE 2253N Ø8224W

SIX UNREVETTED LAUNCHERS (ONE WITH MISSILE AND 2 CANVAS-COVERED), 2 MISSILE TRANSPORTERS, 2 CANVAS-COVERED HOLD AREAS, 10 TRACKED PRIME MOVERS, 7 OTHER VEHICLES, AND A GUIDANCE AREA WITH RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED.

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25X1D

TWO ADDITIONAL LAUNCHERS, A FAN SONG RADAR, ONE MISSILE TRANSPORTER, 6 VAN TRUCKS, AND 3 VAN TRAILERS OBSERVED IN THE SUPPORT AREA.
NO APPARENT CHANGE IN FACILITIES.

25X1A

SANTA CLARA SAM SITE 2229N Ø8ØØØW

ALL 6 LAUNCHERS (4 CANVAS-COVERED) ARE UNREVETTED AND HAVE BEEN MOVED OUTWARD (ADJACENT TO THE OLD RING ROAD) APPROXIMATELY 125 FT FROM THEIR FORMER POSITIONS. THE DIAMETER OF THE LAUNCHERS IN THEIR NEW POSITIONS IS APPROXIMATELY 560 FT WHILE THE DISTANCE BETWEEN LAUNCHERS IS NOW APPROXIMATELY 280 FT. A NEW OUTER RING ROAD IS NOW PRESENT AND IS APPROXIMATELY 730 FT IN DIAMETER. NO CHANGE NOTED IN THE UNREVETTED GUIDANCE AREA WHICH CONTAINS RADAR AND ASSOCIATED CANVAS-COVERED FOUR CANVAS-COVERED MISSILE TRANSPORTERS EQUIPMENT. WITHOUT PRIME MOVERS (3 ON INNER RING ROAD AND ONE ON OUTER RING ROAD), ONE CANVAS-COVERED HOLD AREA, 7 TRACKED PRIME MOVERS, 10 CARGO TRUCKS, ONE VAN TRUCK, ONE UTILITY TRUCK, ONE TRUCK-MOUNTED CRANE, 6 OTHER VEHICLES OR PIECES OF EQUIPMENT (2 CANVAS-COVERED), AND 3 VAN TRAILERS OBSERVED. NO APPARENT CHANGE IN FACILITIES. (SEE ATTACHMENT 2).

25X1D

25X1A

CABANAS SAM SITE 2258N Ø8258W

SIX UNREVETTED, CANVAS-COVERED LAUNCHERS, 2 CANVAS-COVERED MISSILE TRANSPORTERS, 2 CANVAS-COVERED HOLD AREAS, AND A GUIDANCE AREA CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED.
NO APPARENT CHANGE IN FACILITIES.

25X1D

25X1A

SANTA CRUZ DEL NORTE CRUISE-MISSILE SITE 2309N 08156W

TWO CANVAS-COVERED REVETTED LAUNCHERS, 5 MISSILE

TRANSPORTERS, APPROXIMATELY 13 CANVAS-COVERED CRUISE MISSILE CRATES, 8 TRACKED PRIME MOVERS, 5 CARGO TRUCKS, ONE POSSIBLE TRUCK-MOUNTED CRANE, 6 OTHER VEHICLES, AND A CANVAS-COVERED GUIDANCE AREA OBSERVED.

25X1D

NO APPARENT CHANGE IN FACILITIES.

25X1A

2300N 08250W GUERRA CRUISE-MISSILE STORAGE

NO APPARENT CHANGE SINCE MISSION

25X1D

25X1D

25X1A

AIR FACILITIES

CAMILO CIENFUEGOS AIRFIELD 2229N Ø7955W

AIRCRAFT -- 16 FAGOT/FRESCO, ONE MORAVA L-200, 8 HOUND AND 2 HARE.

25X1D

25X1A

CORONEL PASCUAL AIRFIELD 2307N 08117W

AIRCRAFT -- 2 HOUND. 25X1D

25X1A

SAN ANTONIO DE LOS BANOS AIRFIELD 2252N Ø823ØW

AIRCRAFT -- 29 FISHBED, 4 FARMER, AND 10 FAGOT/FRESCO OBSERVED IN CLOUD-FREE AREAS. IN ADDITION, ONE FARMER AND ONE FAGOT/FRESCO ARE

ADJACENT TO THE 12 AIRCRAFT SHIPPING CRATES.

25X1D

25X1A

SAN JULIAN AIRFIELD 2205N 08409W

AIRCRAFT -- 5 FAGOT/FRESCO AND 2 LIAISON OBSERVED IN CLOUD-FREE AREAS.

7

25X1D

25X1A

JOSE MARTI INTERNATIONAL AIRFIELD 2259N Ø8224W

OPERATIONS AREA -- ONE CUB, 3 COOT, ONE BRITANNIA, 5 CRATE, 2 C-46, 2 C-47, AND 3 LIAISON.
MAINTENANCE AREA -- CLOUD COVERED.

25X1D

25X1A

CAMPO LIBERTAD AIRFIELD 2305N 08226W

AIRCRAFT -- ONE C-54, 3 CRATE, ONE C-46, 2 C-47, AND 18 LIAISON OBSERVED IN CLOUD-FREE AREAS.

25X1D

25X1A

PLAYA BARACOA AIRFIELD 2302N 08234W

AIRCRAFT -- ONE C-46, 4 ZLIN TRENER, ONE LIAISON, 15 HOUND, ONE HARE, AND 2 BELL HELICOPTERS. SCATTERED CLOUDS LIMIT INTERPRETATION.

25X1D

25X1A

PINAR DEL RIO AIRFIELD 2225N Ø834ØW

AIRCRAFT -- 5 COLT.

25X1D

25X1A

CAIBARIEN AIRFIELD 2230N 07928W

AIRCRAFT -- 2 LIAISON AND 3 HOUND.

25X1A

NAVAL ACTIVITY/PORTS

MARIEL NAVAL BASE AND NAVAL AIR STATION 2259N Ø8244W

VESSELS -- 3 S.O.1-CLASS SC, ONE KOMAR-CLASS PGMG ON MARINE RAILWAY AND 4 LARGE FREIGHTERS. SCATTERED CLOUDS, CLOUD SHADOW, AND OBLIQUITY LIMIT INTERPRETATION.

25X1D

CABANAS NAVAL BASE 2258N Ø8258W

VESSELS -- 8 KOMAR-CLASS PGMG, 4 YP, AND ONE LARGE FREIGHTER AT ANCHOR BEING ATTENDED BY LIGHTERS. AREAS 1-6 AND PRINCIPAL PIER -- NO APPARENT CHANGE

25X1D

LA ISABELA PORT 2256N Ø8ØØØW

VESSELS -- 2 LARGE FREIGHTERS.

25X1D

CARDENAS PORT 2302N 08111W

VESSELS -- ONE LARGE FREIGHTER.

25X1D

MATANZAS PORT 2302N 08134W

VESSELS -- 6 LARGE FREIGHTERS.

25X1D

HAVANA PORT 2307N Ø8220W

VESSELS -- 2 PF, ONE KRONSHTADT-CLASS PC, ONE PCE, 2 YP, 21 LARGE FREIGHTERS, 3 COASTAL FREIGHTERS,

ONE LARGE TANKER, AND 8 TRAWLERS OBSERVED IN CLOUD-FREE AREAS.

25X1D

25X1A

KAWAMA MARINA 2307N 08117W

VESSELS -- 2 P-4 MTB.

25X1D

MILITARY ACTIVITY

PINAR DEL RIO MILITARY CAMP 2223N Ø8342W

NO APPARENT CHANGE IN FACILITIES.
THIRTY UNIDENTIFIED VEHICLES OBSERVED.
CLOUD SHADOWS LIMIT INTERPRETATION.

25X1D

REMEDIOS MILITARY AREA 2227N Ø7935W

NO APPARENT CHANGE IN FACILITIES.
SIX BRDM APC (4 CANVAS—COVERED), 38 CARGO TRUCKS,
4 VAN TRUCKS, 6 UTILITY TRUCKS, 11 FA PIECES, 2 OTHER
VEHICLES OR PIECES OF EQUIPMENT, AND 6 UNIDENTIFIED
CANVAS—COVERED OBJECTS OBSERVED.
THE 6-GUN AAA SITE REMAINS OCCUPIED.

25X1D

SANTIAGO DE LAS VEGAS MILITARY CAMP 2258N Ø822ØW

25X1D

NO APPARENT CHANGE SINCE MISSION

25X1D

SANTA CLARA AREA MILITARY ACTIVITY 2220N 07957W.

NO APPARENT CHANGE IN FACILITIES.
TWENTY-TWO TANKS/SP GUNS AND 4 CARGO TRUCKS OBSERVED.

25X1D

25X1A

LIMONAR MILITARY CAMP SE 2255N Ø8124W

NO APPARENT CHANGE IN FACILITIES.
TWENTY-FOUR TANKS/SP GUNS, 7 BRDM APC, 34 CARGO TRUCKS, 4 VAN TRUCKS, 2 OTHER CANVAS-COVERED VEHICLES OR PIECES OF EQUIPMENT, AND AT LEAST 25 PERSONNEL OBSERVED.

25X1D

MANAGUA MILITARY CAMP 2258N Ø8217W

AIRCRAFT -- 12 HOUND AND ONE HARE.
ONE HUNDRED THIRTEEN TANKS/SP GUNS, 3 AT-T TRACKED
PRIME MOVERS, 2 LOWBOY TRAILERS, 12 BRDM APC, 5 TRUCKMOUNTED TREADWAY BRIDGES, AND APPROXIMATELY 500 OTHER
VEHICLES OBSERVED.

25X1D

CAMPO FLORIDO MILITARY CAMP 2307N 08206W

NO APPARENT CHANGE IN FACILITIES.
THIRTY TANKS/SP GUNS, 26 CARGO TRUCKS, AND 11 FA
PIECES OBSERVED.

25X1D

HAVANA MILITARY CAMP CALABAZAR 2300N 08218W

NO APPARENT CHANGE IN CLOUD-FREE AREAS SINCE

25X1D

GUANE MILITARY CAMP 2212N Ø84Ø8W

AT LEAST 15 TANKS/SP GUNS AND AT LEAST 13 PROBABLE CARGO TRUCKS OBSERVED. CLOUD SHADOW LIMITS INTERPRETATION.

25X1D

25X1A

EL CHICO MILITARY AREAS 2300N 08226W

NO APPARENT CHANGE IN CLOUD-FREE AREAS SINCE

25X1D

CANTEL MILITARY CAMP 2302N 08119W

CONSTRUCTION CONTINUES ON BARRACKS.
THREE VAN TRUCKS, 6 CARGO TRUCKS, AND ONE OTHER
VEHICLE OBSERVED.

25X1D

GUANABANA MILITARY AREA 2258N Ø8132W

BOTH AREAS -- NO APPARENT CHANGE IN FACILITIES.

NORTH AREA -- 18 CARGO TRUCKS AND 18 OTHER VEHICLES

OR PIECES OF EQUIPMENT.

SOUTH AREA -- 20 CARGO TRUCKS AND 18 OTHER VEHICLES OR

PIECES OF EQUIPMENT.

25X1D

LIMONAR TANK TRAINING AREA 2254N Ø8121W

NO APPARENT CHANGE IN FACILITIES. NO VEHICLES OBSERVED AT MAIN CAMP. AREA 2.6 NM NE -- 20 TANKS/SP GUNS.

25X1D

GUANABANA AREA MILITARY CAMP 2258N Ø8134W

NO APPARENT CHANGE IN FACILITIES. FOURTEEN TANKS/SP GUNS OBSERVED.

25X1A

MARTI AREA ARMOR TRAINING AREA 2258N Ø8Ø59W

NO APPARENT CHANGE IN FACILITIES.

THREE TANKS/SP GUNS, 3 UTILITY TRUCKS, 2 CARGO

TRUCKS, AND 4 OTHER VEHICLES OR PIECES OF EQUIPMENT

OBSERVED.

25X1D

SANTA CLARA AREA ARTILLERY TRAINING AREA 2222N Ø8ØØØW

AREAS 1-5 -- NO APPARENT CHANGE IN FACILITIES. AREA 1 -- 12 PROBABLE BRDM APC, 11 CARGO TRUCKS, AND 2 CARGO TRAILERS.

AREA 2 -- NO APPARENT CHANGE.

AREA 3 -- 2 UNIDENTIFIED VEHICLES.

AREA 4 -- 13 CARGO TRUCKS.

AREA 5 -- 22 TANKS/SP GUNS AND 6 OTHER VEHICLES.

25X1D

SANTA CLARA MILITARY CAMP CUBANACAN 2224N Ø7952W

ALL AREAS -- NO APPARENT CHANGE IN FACILITIES.

CUBANACAN -- 29 CARGO TRUCKS, 9 VAN TRUCKS, 3 UTILITY

TRUCKS, AND 3 CARGO TRAILERS.

STORAGE AREA NORTH -- 11 CARGO TRUCKS AND NUMEROUS

PERSONNEL OBSERVED IN FORMATION.

ESCUELA TECNOLOGICA -- ONE UNIDENTIFIED VEHICLE.

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-STATUS OF OTHER TARGETS OBSERVED-

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE SINCE LAST COVERAGE--

SAGUA LA GRANDE MRBM SITE 2 2239N Ø7951W SAN CRISTOBAL MRBM SITE 4 2246N Ø8258W GUANAJAY IRBM SITE 2 2257N Ø8237W CAIBARIEN PORT 2231N Ø7928W BAHIA HONDA PORT 2255N Ø831ØW HAVANA AMMUNITION STORAGE AREA 2301N 08226W MADRUGA MILITARY AREA 2255N Ø8149W GUANABACOA MILITARY AREA 2307N Ø8215W GUAYABAL MILITARY CAMP 2254N Ø8237W CABANA FORTRESS 2308N 08220W TAPASTE STORAGE AREAS 2302N 08207W SAN FRANCISCO DE PAULA AMMO STORAGE AREA 2303N 08218W SPECIAL AREA ALPHA WHITE 2259N Ø8225W SPECIAL AREA BRAVO BLUE 2253N Ø8232W SPECIAL AREA BRAVO RED 2254N Ø8228W SPECIAL AREA VICTOR 2302N 08235W SAN ANTONIO DE LOS BANOS AREA DROP ZONE 2256N Ø8231W TARARA LANDING BEACH 2310N 08212W MATANZAS LANDING BEACH 2301N 08126W VARADERO LANDING BEACH 2308N 08118W

25X1D

25X1A

25X1D

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED—

GUANAJAY IRBM SITE 1	2257N Ø8239W
SAN JULIAN SAM SITE	2205N 08408W
PINAR DEL RIO SAM ASSEMBLY AREA	2221N Ø8339W
PUNTA BRAVA SAM SITE	2301N 08231W
GUARA SAM SITE	2248N Ø8213W
TODOCNE CAM ACCINOLY 1051	
TORRENS SAM ASSEMBLY AREA	2257N Ø8227W
LA FLORA MILITARY STORAGE AREA	2252N Ø8233W
ARTEMISA MILITARY CAMP	
	225ØN Ø8248W
MARIEL MILITARY CAMP LOMA GOBERNADORA	2256N Ø8251W
MINAS AMMUNITION STORAGE AREA	23Ø8N Ø8211W
TORRENS MILITARY COMPLEX	
	2259N Ø8227W
NAZARENO MILITARY CAMP	2257N Ø8213W
MATAGUA MILITARY CAMP	2215N Ø8ØØ2W
SAN JOSE DE LAS LAJAS STORAGE	2258N Ø8212W
EL CRIOLLO MILITARY CAMP	2259N Ø8225W
GUANAJAY MILITARY CAMP MARTIN MESA	
TILLIAN CAMP MARIIN MESA	2257N Ø8243W

25X1A

BEJUCAL AMMUNITION STORAGE BARAJAGUA STORAGE DEPOT MANICARAGUA STORAGE AREA SPECIAL AREA TANGO SPECIAL AREA JULIET

25X1D

2256N Ø8223W

2208N 08004W

2206N 07958W

2259N Ø8244W

2301N 08240W

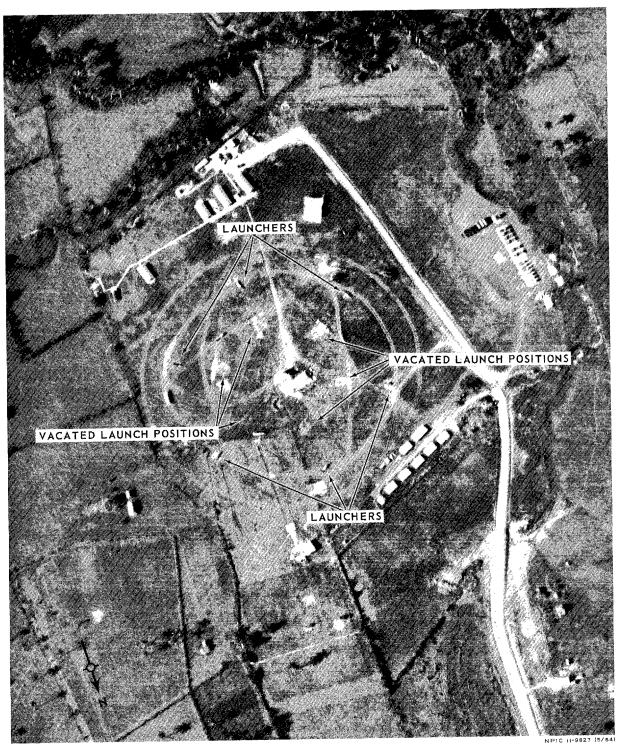
NPIC/R-1187/64 ATTACHMENT 1



MATANZAS SAM SITE

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NPIC/R-1187/64 ATTACHMENT 2



SANTA CLARA SAM SITE